



New Modeling and Simulation Coordination and Management Structure

Congressional Leadership Summit Chesapeake, VA

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Why DoD Needs a New Management Structure for M&S

- **The Original Vision for Implementing M&S (5000.59)**
 - A coordinated DoD M&S Investment Plan (Never completed)
- **If we'd truly implemented the DoD 5000.59 starting in 1994...**
 - Would we have common technical development frameworks?
 - Would we have legacy systems with models ready for test and maintained across the life-cycle?
 - Would we be able to help systems interface and exchange data during System Engineering?
 - Would we be able to help create common threat systems and environments for System Engineering?
 - Would we have joint environments today implemented with credible M&S?
 - Would we be able to pull together a Live, Virtual, and Constructive joint capability environment using credible M&S?



Why DoD Needs a New Management Structure for M&S (con't)

- **The Promise: Lower Costs**
 - The Reality: JMASS, JSIMS and JWARS
 - Credible M&S is not necessarily simple or cheap
- **The Promise: Reuse**
 - The Reality: Re-use across programs & across acquisition phases within a program is low
- **The Promise: Commonality**
 - The Reality: Little standardization, little commonality. Programs build their own models for their own purposes.
 - VV&A processes not enforced – lots of strategies but expensive
 - How much standardization do we need?
 - DOD standards / considerations are unique



Step 1: Reforming DoD Management

- **Centralized coordination and management for M&S still required in DoD**
- **The Program Decision Memorandum directed GO / SES Steering Committee and the Interim Executive Committee have now merged into the M&S Steering Committee**
- **DoD to revise DoDD 5000.59, DoD M&S Management.**
 - In formal coordination
- **M&S funding remains fixed at current levels until business plans and outreach is completed**



Step 2: Devise a New M&S Management Structure

New M&S Management Structure Organized by Communities; Designed to Support Communities

1-2 Star M&S Steering Committee (M&S SC) provides governance (formerly EXCIMS)
M&S SC and IPT supported by the & M&S CO (formerly DMSO)



\$B Goals:

- Reuse
- Interoperability
- Efficiencies

\$B Goals:

- Commonality
- Effectiveness
- Visibility/Accessibility



Step 3: Establish Plans and Processes for the M&S Steering Committee

- **New DoD Instruction 5000.XX**
 - Provides Specifics on Responsibilities, Processes, and Procedures
- **Community Business Plans**
 - Current Capabilities
 - Needs and Initiatives.
 - Captures M&S Tools, M&S Data, and M&S Services
- **Common and Cross-Cutting Business Plan**
 - Consolidates M&S Tools, M&S Data, and M&S Services
- **Vision and Processes Still Emerging**
 - To affect change within the \$Billions spent on M&S investments across the M&S enabled Communities
 - To allocate the \$Millions in the Joint Warfighting Simulation Program Element as one tool to affect that change



Step 4: Continually Evaluate Progress Against Original Goals

- **The Goal: Effective, Efficient M&S support of Joint Operations**
 - Need M&S to be more credible and affordable
- **The Goal: Reuse**
 - Re-use across programs & communities must increase
- **The Goal: Commonality**
 - Standardization and commonality consideration as needed



Summary

- DoD M&S management continuing to evolve toward integrating and leveraging of the capabilities in support of the Joint Operations
- We need help from our industry, academia, and interagency partners!

